

Under the Paperwork Reduction Act of 1994, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

13281 U.S. PTO  
030304UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.: 2004\_0347A

First Named Inventor : Toshiyuki TAKIZAWA

Title: P-TYPE SEMICONDUCTOR AND SEMICONDUCTOR HETERO  
MATERIAL AND MANUFACTURING METHODS THEREOF

Express Mail Label No.:

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-14501. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)2. ☐ Small Entity Status is hereby asserted.3. ☒ Specification [Total Pages: 49]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to Sequence Listing, a table, or a computer  
program listing appendix.

- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 USC 113) [Total Sheets: 14]5. ☒ Oath or Declaration [Total Pages : 3]  
a.1. ☒ Newly executed (original or copy)  
a.2. ☐ Unexecuted  
b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named  
in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).6. ☐ Application Data Sheet (see 37 CFR 1.76)7. ☐ CD-ROM or CD-R in duplicate, large table or computer  
program (Appendix)8. ☐ Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

- a. ☐ Computer Readable Form
- b. Specification Sequence Listing on:
  - i. ☐ CD-ROM or CD-R (2 copies); or
  - ii. ☐ Paper
- c. ☐ The paper and computer readable copies are identical

## ACCOMPANYING APPLICATION PARTS

- 9. ☒ Assignment Papers (cover sheet & document(s))
- 10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)  
☐ Power of Attorney
- 11. ☐ English Translation Document (if applicable)
- 12. ☐ Information Disclosure Statement (IDS)/PTO-1449  
☐ Copies of IDS Citations
- 13. ☐ Preliminary Amendment
- 14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- 15. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- 16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.
- 17. ☒ Other CLAIM OF PRIORITY UNDER 35 USC 119

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below, and in a preliminary amendment, or  
in an Application Data Sheet :☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.

Prior Application Information: Examiner Group Art Unit

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b,  
is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference therein. The  
incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

CUSTOMER NO.  
000513By: Michael S. Huppert  
Registration No. 40,268WENDEROTH, LIND & PONACK, L.L.P.  
2033 "K" Street, N.W., Suite 800  
Washington, D.C. 20006-1021  
Phone: (202) 721-8200  
Fax: (202) 721-8250

March 3, 2004

22858 U.S. PTO  
10/790864

030304

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Toshiyuki TAKIZAWA :  
Serial No. NEW : **Attn: APPLICATION BRANCH**  
Filed March 3, 2004 : Attorney Docket No. 2004\_0347A  
  
P-TYPE SEMICONDUCTOR AND SEMICONDUCTOR  
HETERO MATERIAL AND MANUFACTURING  
METHODS THEREOF

**PATENT OFFICE FEE TRANSMITTAL FORM**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached hereto is a check in the amount of \$1990.00 to cover Patent Office fees relating to filing the following attached papers:

New application ..... \$770.00  
Assignment for Recordal ..... \$40.00  
  
Additional Claims Fee:  
Excess of Twenty ..... \$1008.00  
Independent ..... \$172.00  
Multiple Dependent Fee ..... \$

A duplicate copy of this paper is being submitted for use in the Accounting Division, Office of Finance.

*The Commissioner is authorized to charge any deficiency or to credit any overpayment associated with this communication to Deposit Account No. 23-0975, with the EXCEPTION of deficiencies in fees for multiple dependent claims in new applications.*

Respectfully submitted,

Toshiyuki TAKIZAWA

By Michael S. Huppert  
Michael S. Huppert  
Registration No. 40,268  
Attorney for Applicant

MSH/kjf  
WENDEROTH, LIND & PONACK, L.L.P.  
2033 K St., N.W., Suite 800  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
March 3, 2004

[Check No. 60524]  
2004\_0347A